User Manual

CENTRAL MANAGEMENT SYSTEM of H.264 DIGITAL VIDEO RECORDER

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PREFACE

DVR Central Management System (CMS) is a 16 views recording software which specific supports our H.264 DVR (Digital Video Recorder). This software can provide real-time monitor, record the video on PC and then playback the recorded video to the user.

Moreover, the user can also setup the software recording method for the specific circumstances and performs video playback via Time and Event Search.

I. SYSTEM REQUIREMENTS

A. MINIMUM REQUIREMENTS

i. CPU: Intel Pentium 4 2.0G
ii. Memory: 512MB
iii. VGA card: 128MB
iv. Monitor Resolution: 1280 x 1024, 1024 x 768 (This user manual is made by 1280 x 1024 resolution.)
v. OS: Windows XP / 2000

B. SUGGESTED REQUIREMENTS

i. CPU: Intel Pentium D 3.2G or higher
ii. Memory: 1024MB or higher
iii. VGA card: 256MB or higher (ATI chipset suggested)
iv. Monitor Resolution: 1280 x 1024, 1024 x 768.
v. OS: Windows XP / 2000

II. CENTRAL MANAGEMENT SYSTEM SETUP

Please setup Central Management System step by step according to the following instructions.

NOTE: User has to save "CMS software" folder to the wanted path (i.e. C:\Documents and Settings\ All Users\ Desktop) first, and then run

file.

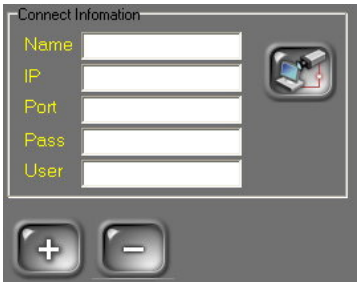
A. DVR SETUP

i. Click button to enter administrator page, and select

tag.

ii. Among DVR Setup page, click

button to add DVR, and then fill in the information about the DVR(s) which is going to connect.



iii. After finish adding DVR(s), DVR LIST block will display the new DVR(s) which just add.

iv. After complete the above setting, click button to perform the connection. If it is success for connection, the screen will pop-up the success information dialog box. (However, if it is failure for connection, the screen will pop-up the failure information dialog box.)

NOTE: If the user wants to delete the connected DVR, select the DVR first and then click

button to delete the DVR.

B. GROUP SETUP

i. Click button to enter administrator page, and select

tag.

ii. Within Group Setup page, right click of the mouse on the Group List and select Add Group option. The new add Group 1 will display under the Group List.

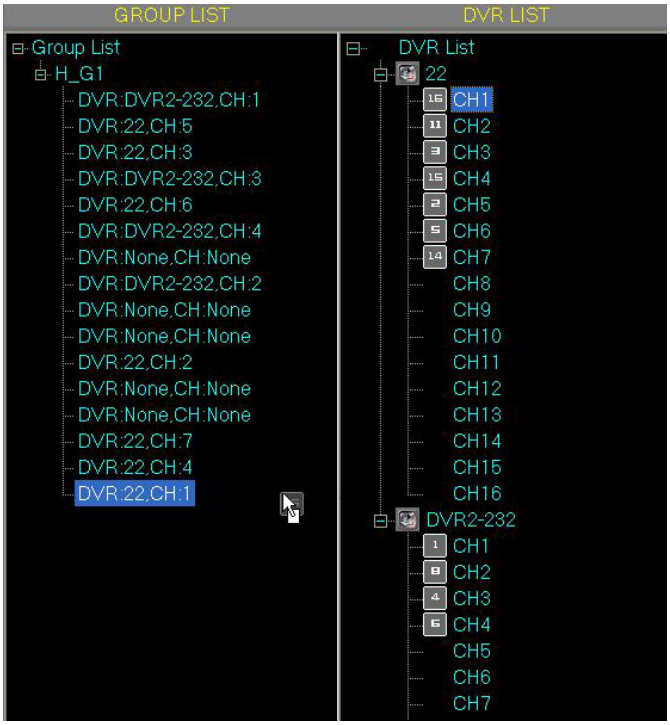
iii. Click Group 1 to expand this group. (NOTE: Each group can display 16 views.)

iv. Finally, add the DVR channel into the new created Group. There are "Mouse Drag", "View All" and "Individual Select" three methods.

a. Mouse Drag

a-1. Select the DVR channel which is going to add into the Group View.

a-2. Drag the mouse from the selected channel to the Group view. As the following example,



b. View All

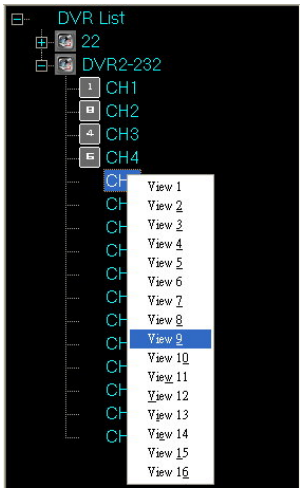
b-1. Select the Group first and then right-click the button of the mouse on the DVR. After that, select View All option.

b-2. Click the Group which is mentioned above and it will display all 16CH of DVR.

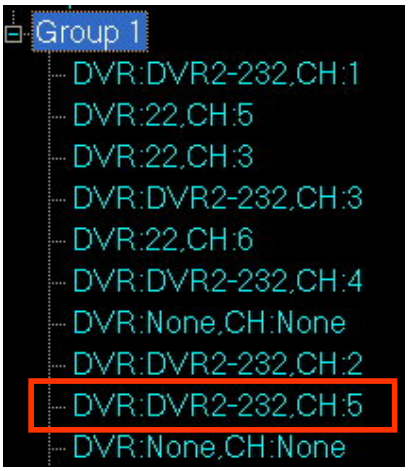
c. Individual Select

c-1. Click DVR to expand all the DVR channels。

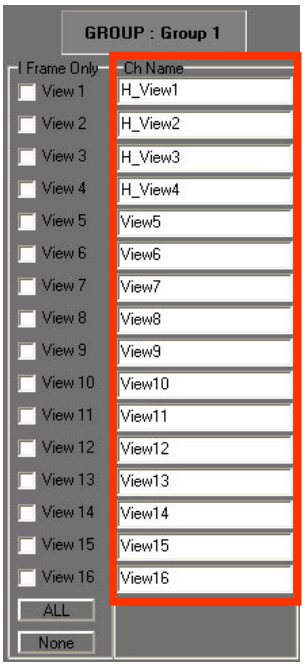
c-2. Right click the button of the mouse to select the channel which is going to add to the Group, and select the display view of the Group.



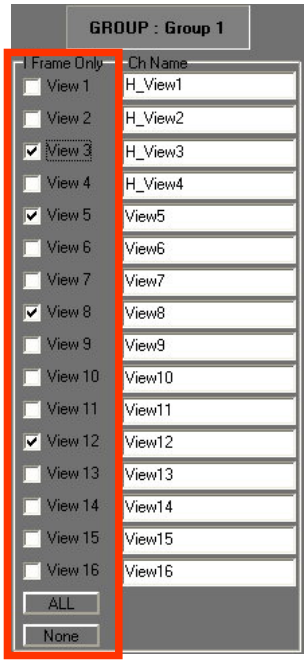
c-3. After complete the selection, the Group view will display the DVR channel which just mentioned above.



v. After DVR channels add to the Group views, the user can change the name of each view. For the following example,



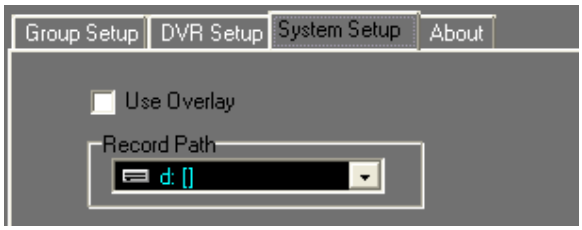
vi. If the user wants the Group View only display I Frame, the user can click the View No. within the I Frame Only block to adjust the Real-Time display. (NOTE: Only display I Frame can increase the PC efficiency.)



C. SYSTEM SETUP

i. Click button enter to administrator page and then click tag.

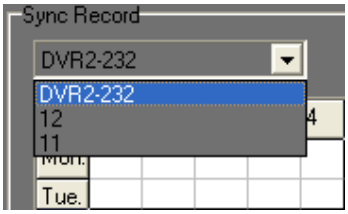
ii. Select the record path when operate Emergency record and Synchronization record. Moreover, click “Use Overlay” to decide to use overlay play mode or not (NOTE: Click “Use Overlay” can increase PC efficiency.).



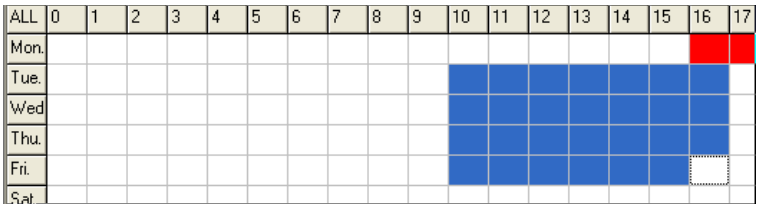
iii. Moreover, within system setup, the user can setup the time schedule of Sync Record as well. The setting steps are shown in the following,

a. Regularly Sync Record Time Schedule Setup

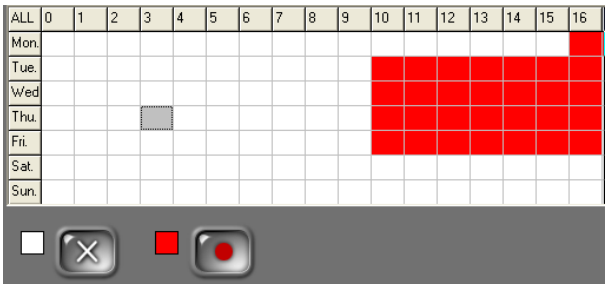
a-1. Select the Sync Record DVR from the drop down list.



a-2. Left-click the button of the mouse and pull the time range which is performed the Sync Record.

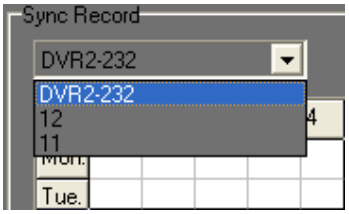


a-3. Click button to finish the time schedule setup. As the following image, (NOTE: Click button to cancel the setup.)



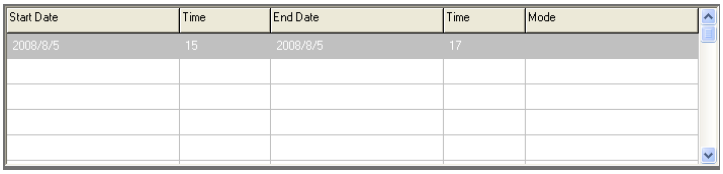
b. Special-Time Sync Record Setup

b-1. Select the Sync Record DVR from the drop down list.



b-2. Select the Start and End Time of the DVR.

b-3. Click button to finish special-time setup. As the following image,



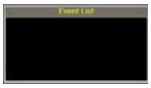
iv. After complete the setup, please click button to save the setting and press to exit System Setup page.

III. REAL-TIME MONITOR

A. REAL-TIME IMAGE

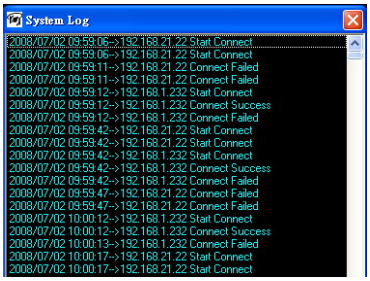
DVR Central Management System (CMS) is software which can control Multi-DVRs. Due to CMS is designed by “Group” concept, the software can combine different channels within different DVRs into ONE Group to perform real-time monitor. The image is shown in the following:

B. BUTTON INSTRUCTION of REAL-TIME IMAGE

i.  **:** When connected DVR has triggered events, these triggered events will be presented within this block.

ii. **:** Double-click the left button of the mouse on the triggered event of the Event List block, the live image will be transferred into the playback mode of this event. Click on this button back to the Live Image mode.

iii. **:** System Log. Press this button can display the software system log which is including CMS start and close time and so on. The system log example is shown as follows,



iv. **:** When click on the view, the digital zoom panel will be displayed to control the digital zoom in/out.

v. **:** Snapshot. Select the view first and then click on this button to save the view image.

vi. **:** PTZ controller interface. Provides Focus、Zoom、IRIS、and Preset Point control.

vii. **:** Emergency Record Status Light.

viii. **:** Close the program.

ix. **:** Get into administrator page.

x. **:** Recorded video playback

xi. **:** Emergency REC.◦Click this button to start recording immediately in emergency situation. To stop recording, please click the button again.

xii. **:** Download the file. Click this button to download the specific time period file within the Group. After finish selecting the Start and End Time, please click button to start download

xiii. / **:** Minimize the program / Full Screen mode◦ Minimize the program to the windows toolbar. / To exit the full screen mode, use “Esc” or right-click the mouse.

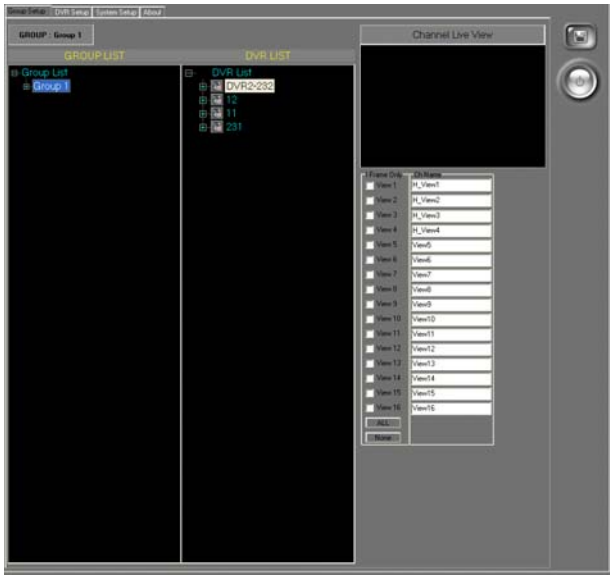
xiv. / / / Split Screen **:** This software can display Max. 16 views. Press these four buttons to switch 16 views , 9 views , 4 views and 1 view ◦

IV. EMERGEMCY RECORD & DATA BACKUP

Click button to enter Emergency Record mode. Moreover, click button to perform data backup. The operating instruction is shown in the following.

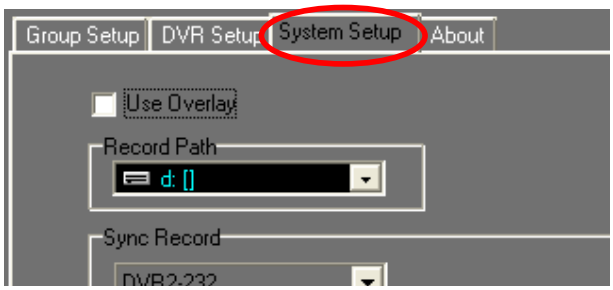
A. EMERGENCY RECORD

i. Before operate Emergency Record, please click button to enter administrator page.

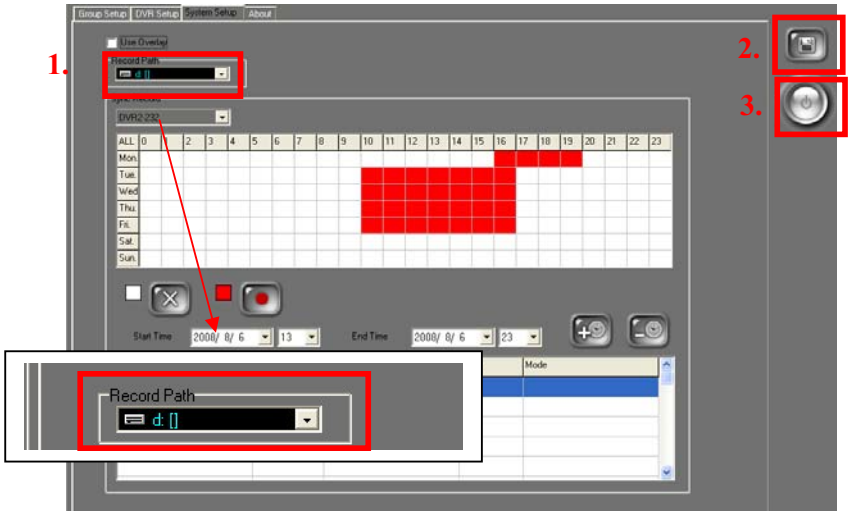


ii. Then, select

tag to enter to system setup page. As the following image,



iii. Click on the drop down list of 1. Record Path block to select the HDD to save the Emergency Record file. After that, click on 2. button to save the setting. Finally, click on 3. button to exit System Setup page.



iv. Under the Real-Time Image mode, please click button to start Emergency Record.

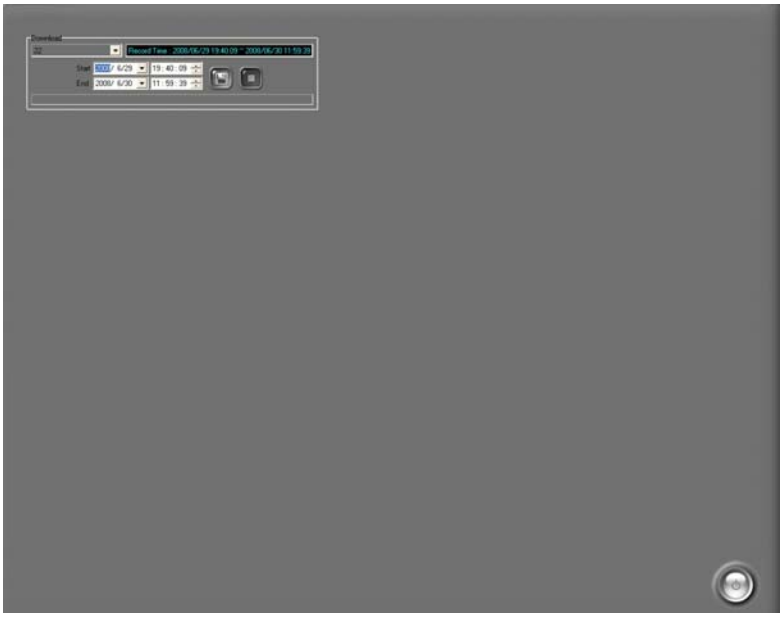
NOTE: This Emergency Record is for GROUP view recording.

When start recording, the **will become red. If the Emergency Record does not stop by the user, the system default for recording time of Emergency Rec. is 5 Minutes.**

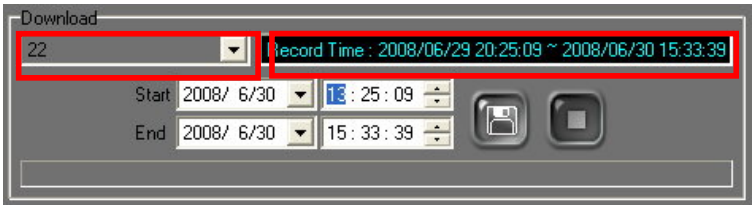
B. DATA BACKUP

The Data Backup of DVR Central Management System is to backup the data from the connected DVR(s).

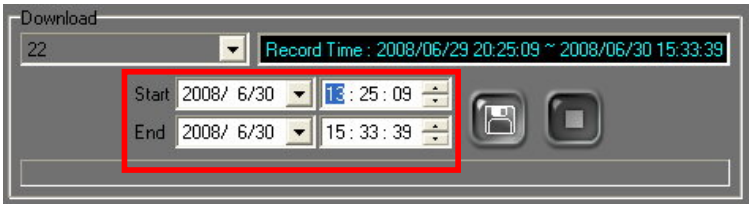
i. Under the Real-Time Image mode, please click button to enter Download page.



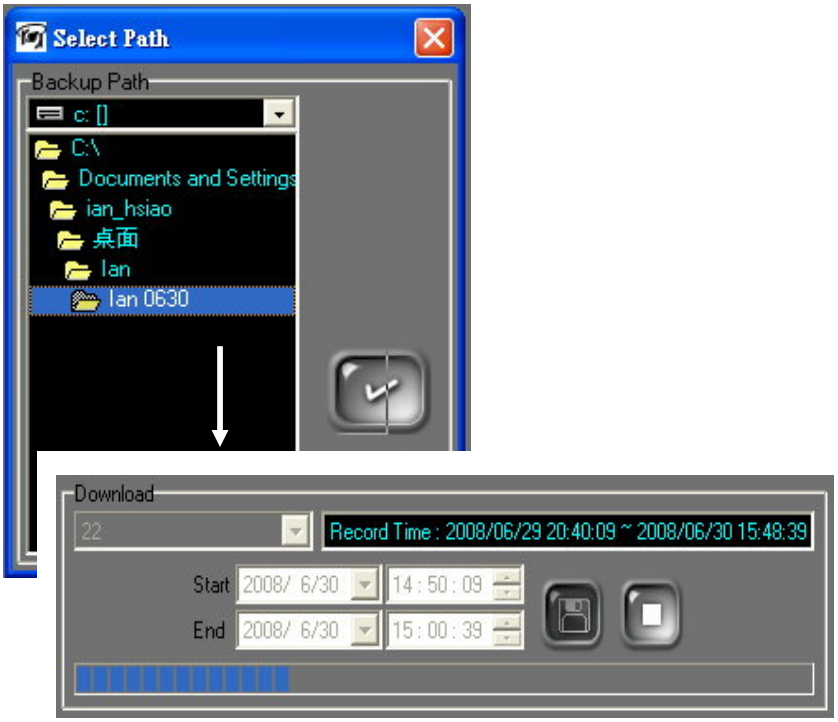
ii. Click DVR drop down list to select the backup DVR and then, it will display the DVR recorded time period on its right hand side.



iii. Select the Start and End backup time.



iv. Click button to select data saved folder and then click to start backup.



NOTE: 1. If the user wants to stop backup immediately during the backup period, please click **button to stop it.**

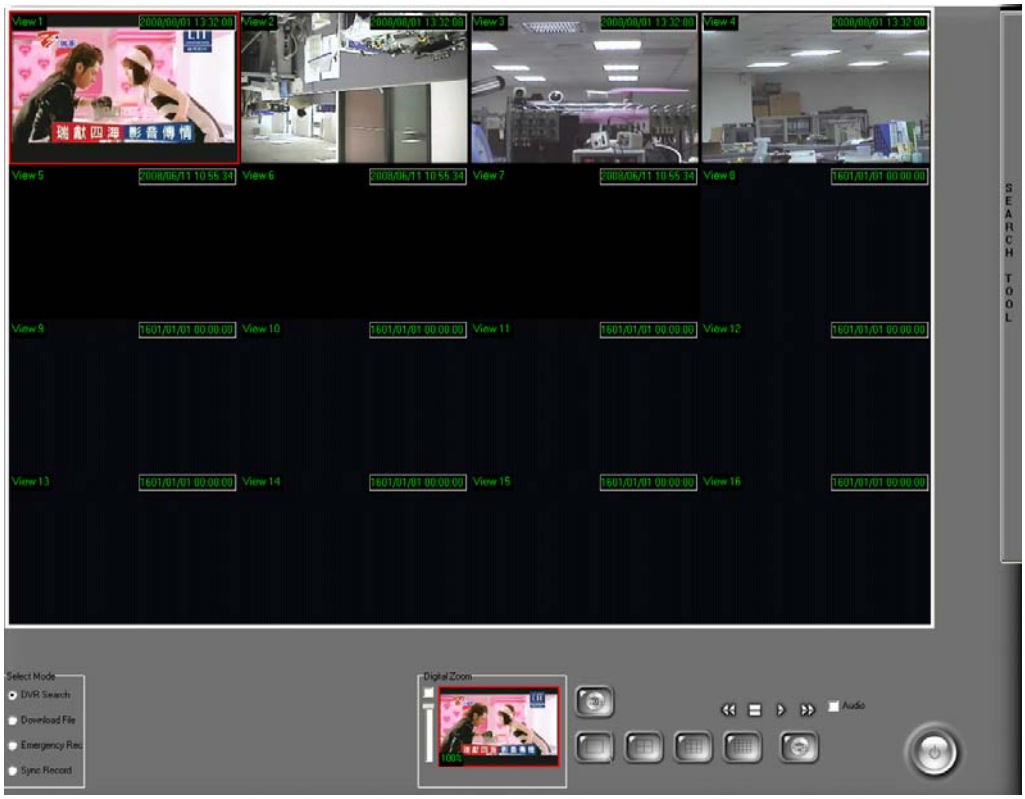
2. Each backup file will be named as START TIME.

For example: **(20080630154009.264)**

3. The downloaded *.264 file has to be played by CMS software and R6 Viewer software. It has not supported by other media player.

V. VIDEO PLAYBACK

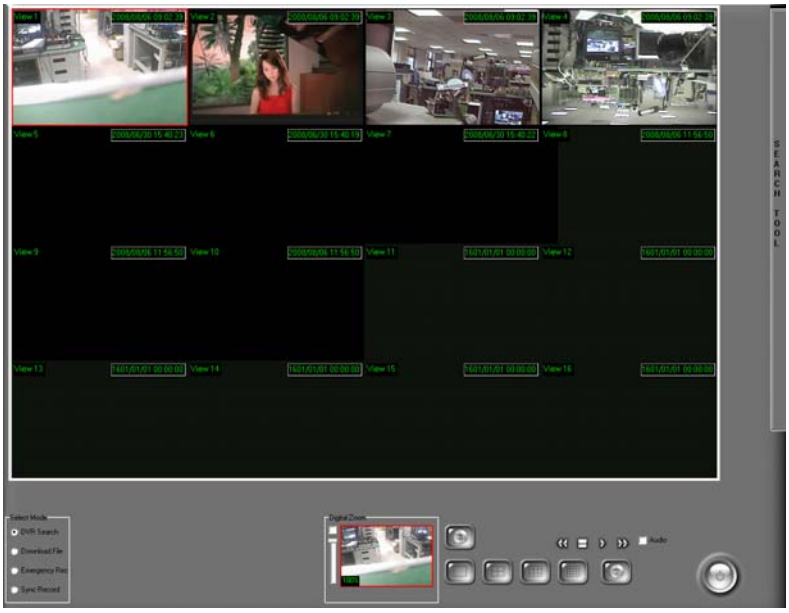
Please click to enter Video Playback mode.



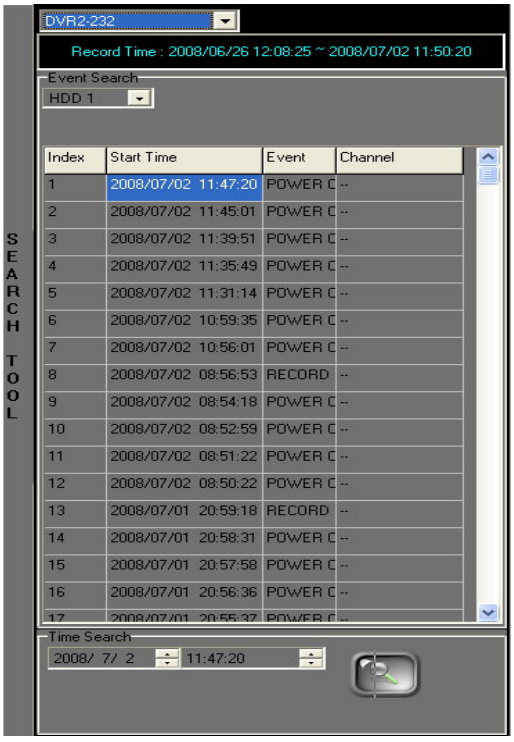
A. VIDEO PLAYBACK

Please select the Video Playback mode. There are DVR Search, Download File and Emergency Rec. three playback modes. For the following image,

i. DVR Search



a. Under the DVR Search playback mode, move the mouse to the right of the screen. SEARCH TOOL will pop-up. For the following example,



b. Select the DVR first, then it will display the recording time of the selected DVR.

c. After selected the playback DVR, video playback will be operated by doing Event Search and Time Search.

c-1. Event Search

c-1-1. Select the playback HDD of DVR

.

c-1-2. After selected the HDD, it will display all trigger events to the following table. Double-click the left button of the mouse on the trigger event. For the following example,

Index	Start Time	Event	Cha
1	2008/07/02 11:53:44	POWER C	--
2	2008/07/02 11:51:38	POWER C	--
3	2008/07/02 11:47:20	POWER C	--
4	2008/07/02 11:45:01	POWER C	--
5	2008/07/02 11:39:51	POWER C	--
6	2008/07/02 11:35:49	POWER C	--
7	2008/07/02 11:31:14	POWER C	--
8	2008/07/02 10:59:35	POWER C	--

c-1-3. After finish the above setting, the playback screen will play the selected event video.

c-2. Time Search

c-2-1. Please select the playback start time within the Time Search block.

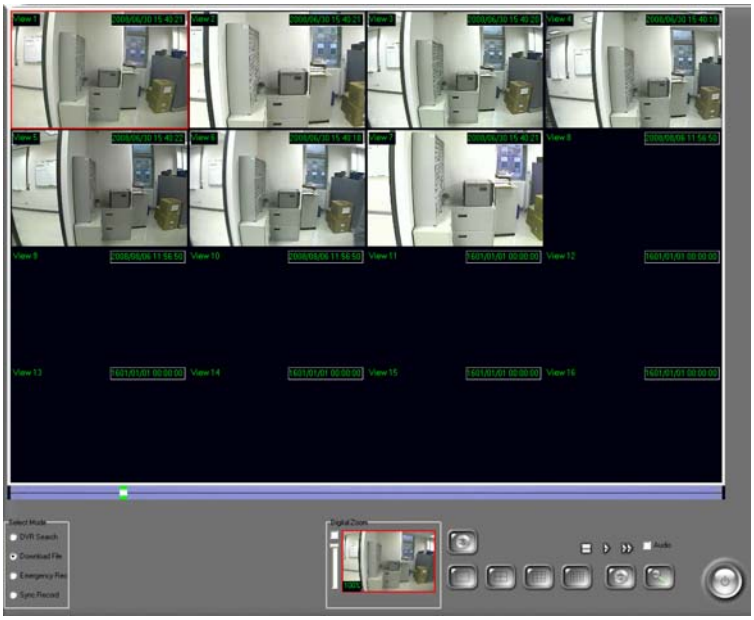
c-2-2. After finish the time setting, please click button to start video playback.

d. Click / / / button to switch the playback split screen 1 CH/ 4CH/ 9CH/ 16CH.

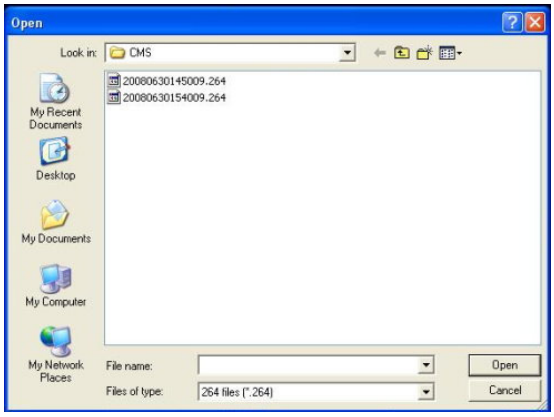
e. Click to stop playback. Moreover, click to start playback.

f. Use & to fasten the forward and rewind playback speed.(NOTE: Forward and Rewind playback only display I Frame.)

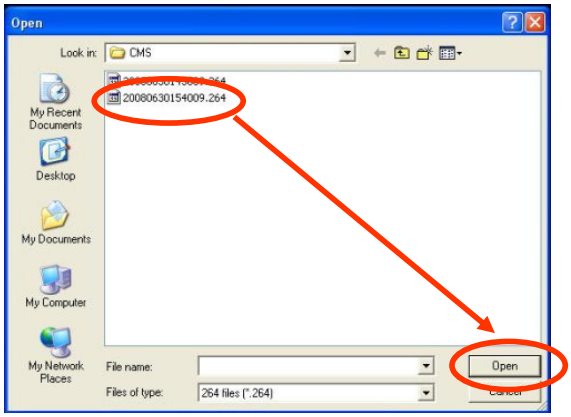
ii. Download File



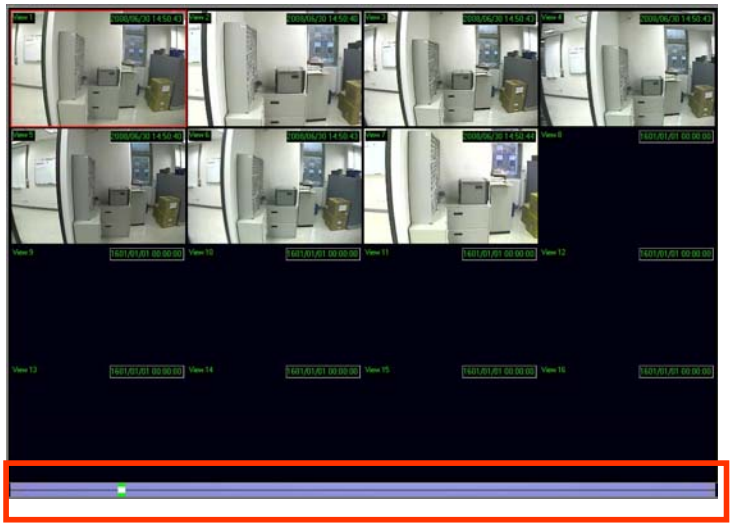
a. Select Download File option within Select Mode block. Then, click button to open the playback file.



b. Select the file first and then click Open button to start playback.



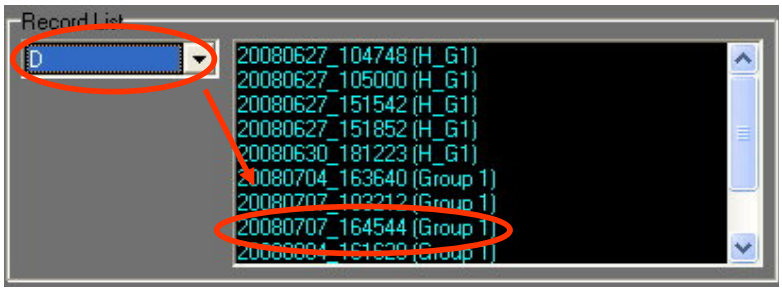
c. Within the playback image, the user can use the seeking bar which is under the playback screen to find out the specific time-point. As the following example,



iii. Emergency Rec.

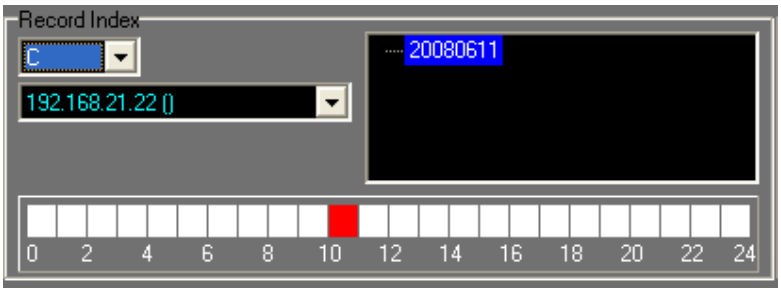
a. Select Emergency Rec. option within Select Mode block. The Record List block will pop-up on the left of the Select Mode block.

b. Select the HDD which saved the Emergency Record file, and then double-click the left button of the mouse on the Emergency Record file which wants to playback.

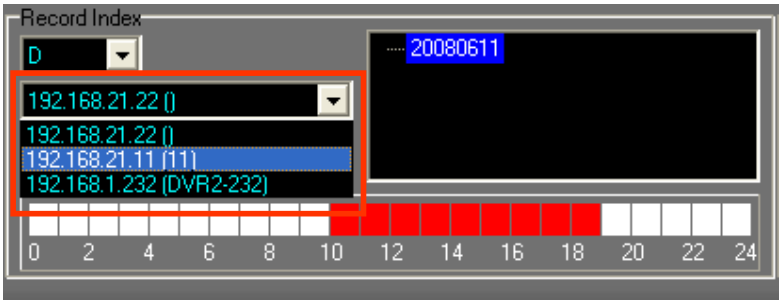


iv. Sync Record

a. Select Sync Record option within Select Mode block. The Record Index block will pop-up.

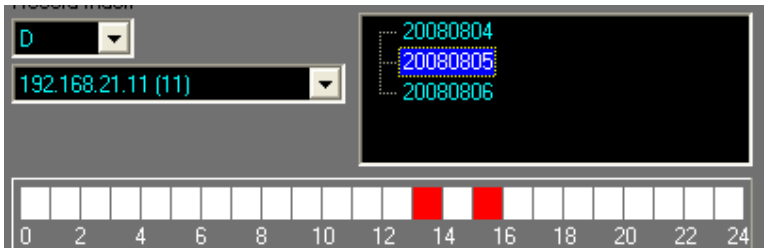


b. After selected the hard disk, the drop down list will display the DVR(s) which has reserved the data of Sync Record.

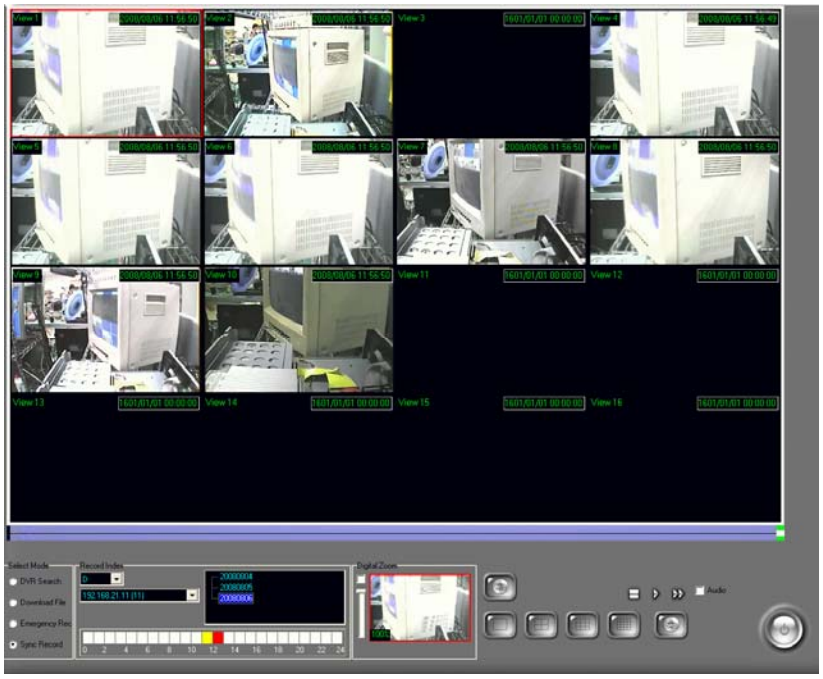


c. After selected the DVR, it will display the date which possesses the data of Sync Record. As the following image, clicking the different date will present the correspondence Sync Record time

period. (NOTE: The time period will become red while having Sync Record data.)



d. Finally, double-click the left button of the mouse on the red time period to perform the video playback.

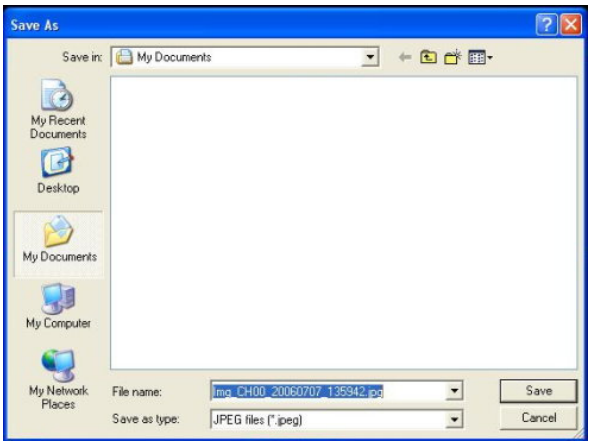


B. EXPERT IMAGE

Image data can be export as JPG or AVI format.

i. Export as JPEG format:

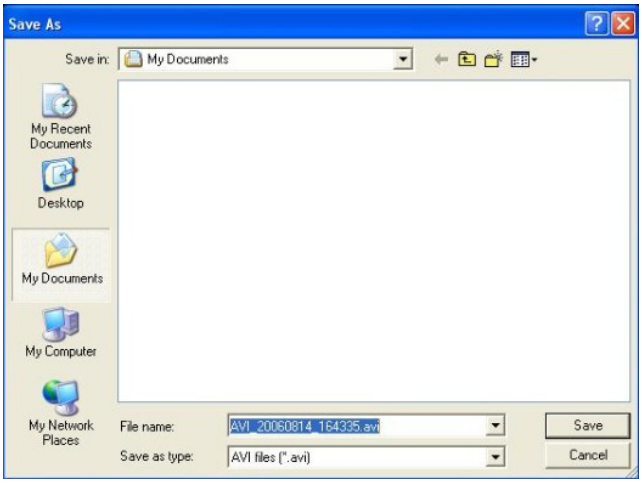
a. Click button. It will show the following dialogue box.



b. The default filename will be named as "Img_channel_ yyyymmdd_hhmmss.jpg" format. The user can decide the filename and the saving path.

ii. Export as AVI format:

a. Click button. It will show the following dialogue box.



b. The default filename will be named as "AVI_ yyyymmdd_hhmmss.avi" format. The user can decide the filename and the saving path.

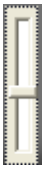
VI. DIGITAL ZOOM

By enabling the digital zoom function, user can zoom in/out the image to get proper view. Digital zoom can be functionalized in live-viewing, playback viewing. The following figures refer to the digital zoom panel.

There are three main components of digital zoom panel.

i.

：Preview window. The image or video in the preview window is not live, the image frame will be updated within a time interval. The red frame indicates the live-viewing window, and the number of the left-down corner indicates the zooming rate.

ii. 
：Digital zooming bar. By moving the control bar up or down, the live-viewing and preview window will be zoomed in or out. The zoom rate is from 100% to 1000%.

iii. ☑：Zoom status. By un-check this function, the image or video will be displayed in the original size.

APPENDIX A: GRAPHIC CARD TEST TABLE

The following list presents the graphic cards which have been tested with Network Recording Software Premium series.

OS		
Windows 2000	ATI	RADEON 7500
	NVIDIA	GEFORCE 6200
Windows XP	ATI	RADEON 9200, RADEON 9550, RADEON XPRESS 200
	NVIDIA	GEFORCE 6200, GEFORCE 6600, GEFORCE 7100, GEFORCE 7300, GEFORCE 8500
Windows Vista	ATI	RADEON XPRESS 200M, RADEON HD 2400 PRO
	NVIDIA	GEFORCE 8500
	Intel	G33

NOTE 1: All the graphic cards which are shown in above table have to update their driver to the latest version. Please go to ATI, NVIDIA or Intel official website to update the driver.

NOTE 2: By using Windows Vista, due to Intel G33 Driver (Version: 7.14.10.1461) from its OEM have not supported Vista DirectX 10 yet, it cannot display the image within Overlay mode while operating Dual-Monitor. Therefore, this caused problem still wait for the solution from its OEM.